



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

October 7, 2011

REDACTED

Superfund Records Center
SITE: Waltham
BREAK: _____
OTHER: _____

Dear REDACTED

EPA has received and initially reviewed the first round of indoor air and sub-slab soil gas validated data collected from the building on your property. Our preliminary review focused only on contaminants in indoor air that may be entering your building via vapor intrusion. Our preliminary review of the first round of validated data collected in March 2011 indicates that vapor intrusion does not pose a health threat inside the building. It is important to note, however, that EPA's final review will be based on evaluation of the validated data from two rounds of indoor air sampling, one round conducted during heating conditions in March, as has already been done, and one round conducted during non-heating conditions in June 2011, as well as groundwater and sub-slab data.

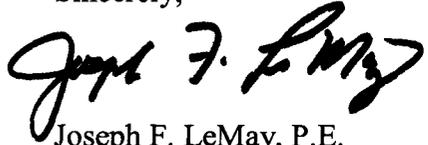
Vapor intrusion is the movement of volatile contaminants from groundwater into a structure. Our preliminary review does not consider those contaminants that may be present in indoor air from unrelated sources such as those released from cleaning products, building materials, personal care products or from the storage of solvents and fuels.

Please find attached a figure illustrating the locations where the first round of indoor air samples were collected within the building on your property in March 2011, and a table summarizing the first round of validated data collected. Please note that the following descriptions apply to the attached table: indoor air samples are denoted as "IA"; blind duplicate/field duplicate indoor air sample "IA2" is denoted as "BD01"; sub-slab soil gas samples are denoted as "SS"; and outdoor air sample is denoted as "OA".

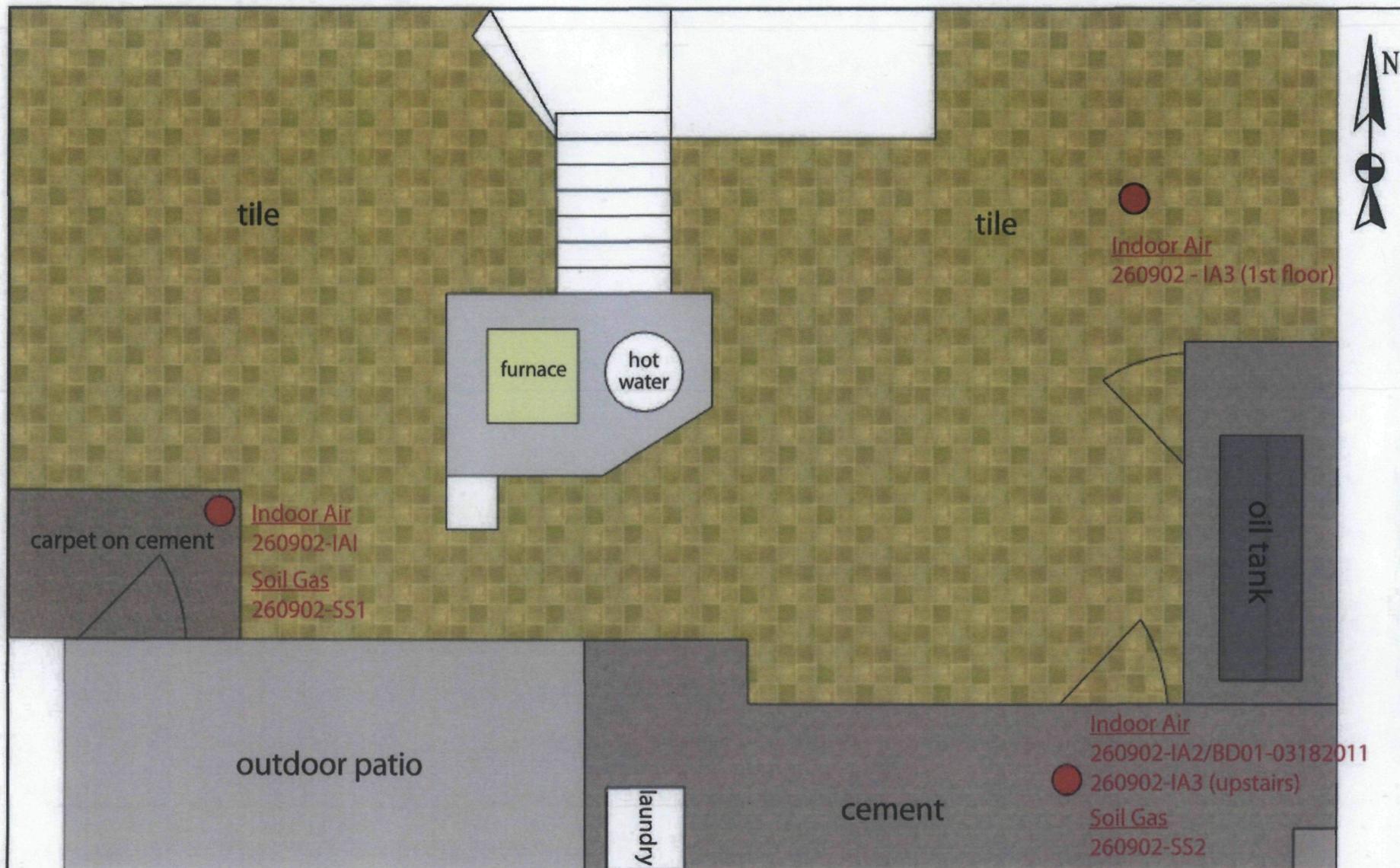
EPA anticipates completing its comprehensive evaluation of both rounds of validated data and providing you with further information regarding the overall results in November 2011.

If you have any questions regarding this letter, or would like to meet and discuss the first round results, please contact me at (617) 918-1323.

Sincerely,

A handwritten signature in black ink, appearing to read "Joseph F. LeMay". The signature is written in a cursive, somewhat stylized font.

Joseph F. LeMay, P.E.
Office of Site Remediation and Restoration



Not to Scale

Basement Floor Plan and Proposed Sub-Slab Soil Gas Sampling Locations Residence #1 Wells GBH Superfund Site Woburn, Massachusetts	
Geosyntec consultants	
ACTON, MASSACHUSETTS	FEBRUARY 2011

Figure
1

Air-Phase Laboratory Data
Wells G and H Superfund Site
Weburn, Massachusetts

Method Group	Parameter	Units	Indoor Air				Outdoor Air	Sub-Slab Soil Gas	
			260902-IA1-3/18/2011	260902-IA2-3/18/2011	BD01-3/18/2011	260902-IA3-3/18/2011	260902-OA-3/18/2011	260902-SS1-3/18/2011	260902-SS2-3/18/2011
APH									
	Adjusted C5-C8 Aliphatics	µg/m3	590	500	510	190	<12	67J	46
	Adjusted C9-C12 Aliphatics	µg/m3	89	72	75	170	26	130J	31
	Aromatics C9-C10	µg/m3	67	52	47	14	<10	<10	<10
	Benzene	µg/m3	11	8.5	9.8	3.2	<2	<2	<2
	Butadiene	µg/m3	<2	<2	<2	<2	<2	<2	<2
	Ethyl benzene	µg/m3	15	12	12	3.4	<2	<2	<2
	m&p-Xylene	µg/m3	49	38	38	11	<4	7J	5.7
	Methyl tert-butyl ether (MTBE)	µg/m3	<2	<2	<2	<2	<2	<2	<2
	Naphthalene	µg/m3	<2	<2	<2	<2	<2	2.3J	<2
	o-Xylene	µg/m3	18	14	14	3.9	<2	3J	3.6
	Toluene	µg/m3	66	55	58	16	<2	5.5J	2.4
Volatle Organic Compounds									
	1,1,1-Trichloroethane	µg/m3	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109
	1,1,2-Trichloroethane	µg/m3	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109	<0.109
	1,1-Dichloroethane	µg/m3	<0.081	<0.081	<0.081	<0.081	<0.081	<0.081	<0.081
	1,1-Dichloroethene	µg/m3	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079
	1,2,4-Trimethylbenzene	µg/m3	13.3	12.6	12.7	3.31	0.147	1.6J	1.37
	1,2-Dichloroethane	µg/m3	1.3	1.44	1.4	4.74	<0.081	0.101J	<0.081
	1,2-Dichloropropane	µg/m3	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092
	1,3-Dichlorobenzene	µg/m3	<0.12	<0.12	<0.12	<0.12	<0.12	0.18J	<0.12
	1,4-Dichlorobenzene	µg/m3	<0.12	<0.12	<0.12	<0.12	<0.12	0.198J	<0.12
	Benzene	µg/m3	9.35	8.78	8.54	2.79	0.501	0.744J	0.574
	Bromodichloromethane	µg/m3	<0.134	<0.134	<0.134	<0.134	<0.134	<0.087	<0.134
	Bromoform	µg/m3	<0.206	<0.206	<0.206	<0.206	<0.206	<0.206	<0.206
	Butadiene	µg/m3	0.102	0.102	0.093	0.124	<0.044	<0.044	0.044
	Carbon tetrachloride	µg/m3	0.534	0.603	0.566	0.578	0.509	0.17J	<0.126
	Chlorobenzene	µg/m3	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092	<0.092
	Chloroform	µg/m3	0.185	0.254	0.244	0.229	0.102	0.296J	1.58
	cis-1,2-Dichloroethene	µg/m3	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079
	Dichloromethane (Methylene chloride)	µg/m3	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74	<1.74
	Ethyl benzene	µg/m3	12.3	11.7	11.8	3.33	0.152	1.42J	1.06
	Ethylene dibromide	µg/m3	<0.154	<0.154	<0.154	<0.154	<0.154	<0.154	<0.154
	Isopropylbenzene	µg/m3	<2.46	<2.46	<2.46	<2.46	<2.46	<2.46	<2.46
	Methyl tert-butyl ether (MTBE)	µg/m3	<0.072	<0.072	<0.072	<0.072	<0.072	<0.072	0.4
	Naphthalene	µg/m3	<0.723	<0.608	0.571	<0.267	<0.262	2.38J	<0.241
	Tetrachloroethene	µg/m3	0.176	0.183	0.183	0.264	0.149	0.256J	0.23
	Toluene	µg/m3	52.5	50.7	51.9	14.3	0.885	4.48J	2.06
	trans-1,2-Dichloroethane	µg/m3	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079	<0.079
	trans-1,3-Dichloropropene	µg/m3	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091	<0.091
	Trichloroethene	µg/m3	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107	<0.107
	Vinyl Chloride	µg/m3	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051
	Xylenes (Total)	µg/m3	54.8	51.6	51.9	14.5	0.512	8.38J	8.4

Notes: < = Not detected, less than laboratory reporting limit.

J = The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.

BD01-3/18/2011 is a blind duplicate at the 260902-IA2 location